

FORM PTO-1449 U.S. Department of
Commerce (Rev. 4/92) Patent and Trademark
Office

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

501.35478CX20

SERIAL NO.

10/797012
Not yet assigned

APPLICANT

MIWA, et al

FILING DATE

March 11, 2004

GROUP

2818

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|-------|----------------|-------|----------|-------------------------------|
| MT | 4 9 6 4 0 7 9 | 10/90 | Devlin | 365 | 185.03 | |
| I | 5 3 6 5 4 8 6 | 11/94 | Schreck | 365 | 185.22 | |
| I | 5 4 1 2 6 0 1 | 5/95 | Sawada et al | 365 | 185.03 | |
| I | 5 8 3 1 9 0 0 | 11/98 | Miyamoto | 365 | 185.03 | |
| MT | 5 7 4 5 4 0 9 | 4/98 | Wong et al | 365 | 185.03 | |
| I | 5 5 5 5 2 0 4 | 9/96 | Endoh et al | 365 | 189.01 | |
| I | 5 1 5 1 3 8 7 | 9/92 | Brady et al | 437 | 191 | 4/30/90 |
| I | 5 0 8 4 4 1 7 | 1/92 | Joshi et al | 437 | 192 | 3/13/89 |
| MT | 5 0 5 9 5 5 4 | 10/91 | Spinner et al | 437 | 193 | 6/23/89 |
| I | 5 1 7 2 3 3 8 | 12/92 | Mehrotra et al | 365 | 185.03 | |
| I | 5 1 3 8 5 7 6 | 8/92 | Madurawe | 365 | 185.3 | |
| MT | 5 4 8 7 0 3 6 | 1/96 | Akaogi et al | 365 | 185.23 | |

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| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | ABSTRACT | |
|----|-----------------|------|---------|-------|----------|----------|----|
| | | | | | | YES | NO |
| MT | 5 9 1 2 1 6 9 6 | 7/84 | Japan | | | XX | |
| I | 4 2 3 8 1 9 6 | 8/92 | Japan | | | | XX |
| MT | 4 5 7 2 9 4 | 2/92 | Japan | | | | XX |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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|----|---|
| MT | Digest of Technical Papers, ATP 2.1: A 3.3V 128Mb Multi-level NAND Flash Memory for Mass Storage Applications, T. Jung, et al., ISSCC96/Session 2/Flash Memory/Paper TP 2.1, 1996 IEEE International Solid State Circuits Conf. |
| MT | Betty Prince, "Semiconductor Memories", 1983, Wisely, 2 nd Edition, pp. 620-621. |

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|---------------------|-----------------|-------|------------------|-------|----------|-------------------------------|
| MT | 5 6 7 7 8 6 8 | 10/97 | Takahashi, et al | 365 | 185 | |
| | 5 7 6 8 1 9 3 | 6/98 | Lee, et al | 365 | 185.25 | |
| | 5 7 5 7 6 9 9 | 5/98 | Takeshima, et al | 365 | 185.24 | |
| | 5 7 9 6 6 5 2 | 8/98 | Takeshima, et al | 365 | 185.03 | |
| MT | 5 7 5 4 4 6 9 | 5/98 | Hung, et al | 365 | 185.03 | |
| | 5 7 4 8 5 3 3 | 5/98 | Dunlap, et al | 365 | 185.19 | |
| | 5 7 5 4 4 7 5 | 5/98 | Bill, et al | 365 | 185.25 | |
| | 5 6 8 7 1 1 4 | 11/97 | Khan | 365 | 185.03 | |
| | 5 7 6 8 1 8 8 | 6/98 | Park, et al | 365 | 185.03 | |
| MT | 5 4 4 0 5 0 5 | 8/95 | Fazio, et al | 365 | 45 | |
| | 5 4 5 0 3 6 3 | 9/95 | Christopherson | 365 | 205 | |
| | 5 1 6 3 0 2 1 | 11/92 | Mehrotra, et al | 365 | 185 | |
| | 5 7 6 8 1 9 1 | 6/98 | Choi, et al | 365 | 185.22 | |
| | 5 5 6 6 1 2 5 | 10/96 | Fazio | 365 | 45 | |
| | 5 2 0 0 9 2 0 | 4/93 | Norman, et al | 365 | 185 | |
| | 5 6 7 5 5 3 7 | 10/97 | Bill, et al | 365 | 185.22 | |
| MT | 4 8 6 0 2 5 8 | 8/89 | Fruhauf, et al | 365 | 194 | |

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| ME | 5 9 1 5 1 0 5 | 6/99 | Farmwald et al | 710 | 305 | |
| | 6 0 3 8 1 6 5 | 3/00 | Miwa | 365 | 185.03 | |
| | 4 4 3 5 7 8 6 | 3/84 | Tickle | 365 | 185 | |
| MT | 5 6 9 4 3 5 7 | 12/97 | Mori | 365 | 185.03 | |

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|----|-----------------|-------|---------|-------|--------------|----------|----|
| | | | | | | YES | NO |
| ME | 6 2 6 4 9 3 | 2/87 | Japan | — | — | XX | |
| | 6 2 3 4 3 9 8 | 2/87 | Japan | — | — | XX | |
| | 6 2 2 5 7 6 9 9 | 11/87 | Japan | — | — | XX | |
| | 6 2 2 9 8 9 9 9 | 12/87 | Japan | — | — | XX | |
| | 6 3 2 7 6 7 9 1 | 11/88 | Japan | — | — | XX | |
| MT | 2 4 0 1 9 8 | 2/90 | Japan | — | — | XX | |
| | 2 2 6 0 2 9 8 | 10/90 | Japan | — | — | XX | |
| | 3 2 3 7 6 9 2 | 10/91 | Japan | — | — | XX | |
| | 4 5 7 2 9 4 | 2/92 | Japan | — | — | XX | |
| | 4 1 8 4 7 9 4 | 7/92 | Japan | — | — | XX | |
| MT | 4 2 3 8 1 9 6 | 8/92 | Japan | — | — | XX | |
| | 0 6 1 3 1 8 8 1 | 5/94 | Japan | — | — | XX | |
| | 0 6 1 9 5 9 8 7 | 7/94 | Japan | — | — | XX | |
| MT | 0 6 2 6 7 2 8 5 | 9/94 | Japan | — | — | XX | |

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|---------------------|-----------------|-------|---------------|-------|----------|----------------------------------|
| MT | 5 3 2 7 3 9 0 | 7/94 | Takasugi | 365 | 230 | |
| | 5 4 7 3 5 7 0 | 12/95 | Sato et al | 365 | 221 | |
| | 6 0 1 1 8 8 0 | 1/00 | Tani et al | 382 | 312 | |
| | 6 3 6 6 4 9 5 | 4/02 | Miwa et al | 365 | 185.03 | |
| | 6 4 5 9 6 1 4 | 10/02 | Miwa et al | 365 | 185.03 | |
| MT | 6 0 4 4 0 3 1 | 3/00 | Iadanza et al | 365 | 230.03 | |

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| MT | 1 2 7 3 2 9 4 | 11/89 | Japan | | | XX | |
| | 0 7 0 5 7 4 8 4 | 3/95 | Japan | | | XX | |
| | 0 2 1 5 4 9 7 | | Japan | | | | X |
| | 0 6 3 0 9 8 9 0 | 11/94 | Japan | | | XX | |
| | 0 1 2 3 8 4 2 | 9/79 | Japan | | | | |
| MT | 1 1 3 4 7 9 3 | 5/89 | Japan | | | | X |
| | 5 2 1 0 9 9 1 | 8/93 | Japan | | | XX | |
| | 6 2 5 1 5 9 1 | 9/94 | Japan | | | | X |
| | 7 9 3 9 7 9 | 4/95 | Japan | | | XX | |
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| MT | 5 2 9 7 0 2 9 | 3/94 | Nakai et al | 365 | 238.5 | |
| | 4 6 9 2 8 8 6 | 9/87 | Miki et al | 364 | 718 | |
| | 5 4 2 2 8 5 8 | 6/95 | Mizukami et al | 365 | 233 | |
| MT | 5 5 3 9 6 8 8 | 7/96 | Yiu, et al | 365 | 185.14 | |
| | 5 5 4 4 0 9 9 | 8/96 | Hara | 365 | 185.19 | |
| | 5 6 7 7 8 6 9 | 10/97 | Fazio, et al | 365 | 185.03 | |
| MT | 5 6 1 5 1 5 3 | 3/97 | Yiu, et al | 365 | 185.19 | |
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| | 0 7 1 6 1 8 5 2 | 6/95 | Japan | | | XX |
| MT | 0 6 0 7 6 5 8 6 | 3/94 | Japan | | | XX |
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